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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Masato IMAI, et al. ATTORNEY DOCKET NO.: 09793822-0149
SERIAL NO.: 09/894,566 GROUP ART UNIT: 2871
DATE FILED: June 28, 2001 EXAMINER: H. NGUYEN
INVENTION: "LIQUID CRYSTAL DISPLAY APPARATUS AND METHOD FOR PRODUCING SAME"

RESPONSE "A" TO NON-FINAL OFFICE ACTION

BOX Non Fee Amendment
Commissioner for Patents
Washington, DC 20231

SIR:

This amendment is filed in response to the Office Action of October 8, 2002. Please reconsider the application in view of the amendments and remarks presented below.

AMENDMENTS

Claims

Please amend the following claims:

first D1

1. (Once amended.) A liquid crystal display device comprising:
a pair of substrates arranged facing each other with a pre-set gap in-between;
liquid crystals held in said gap;
means for applying an electrical field to said liquid crystals to change the state of orientation thereof;
A1
a wall structure formed in each of small-sized areas obtained on sub-division along at least one substrate for orienting the liquid crystals lying each small-sized area axially symmetrically on application of said electrical field, said wall structure encompassing a rectangular area; and
a groove structure formed in each of said small-sized areas and adapted for adjusting the axial symmetrical orientation of said liquid crystals in cooperation with said wall structure,
wherein said groove structure extends along diagonal lines of said rectangular area encircled by said wall structure.

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